

An Introduction to Stoichiometry

Writing Chemical formulas

Balancing Equations

Working with Moles

It's the perfect review!

As a short order cook, you need to make "breakfast specials" with 2 eggs and 3 pieces of bacon on each plate.

You have the following supplies:

Food Item	Amount Available
Eggs	3 dozen
Bacon	A ton

How many breakfast specials can you make?

Lead will react with hydrochloric acid to produce lead (II) chloride and hydrogen gas. How many moles of hydrochloric acid are needed to completely react with 4.0 mole of lead?

Equation:

Before:

Change

After

How many moles of hydrogen gas will be produced if 2.5 moles of calcium hydride react according to the following equation?



Before:

Change

After

How many moles of water will be produced if 0.45 mol of oxygen reacts according to the following equation?



Before:

Change

After